imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







Differential LVPECL Voltage Controlled Crystal Oscillator

CVPD-914 Model 9×14 mm SMD, 3.3V, LVPECL

Frequency Range: Temperature Range: (Option M) (Option X) Storage: Input Voltage: **Control Voltage:** Settability At Nominal: Input Current: Output: Symmetry: Rise/Fall Time: Pulling Range: Linearity: Logic: Terminated to Vdd-2V Temp. 0°C to 85°C

Temp. -40°C to 0°C

RECOMMENDED REFLOW SOLDERING PROFILE

1 to 2

minutes

Enable/Disable Time Jitter: 12 kHz to 80 MHz Aging:

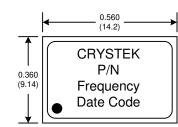
0°C to 70°C -20°C to 70°C -40°C to 85°C -45°C to 90°C 3.3V ±0.3V 1.65V ±1.65V 1.65V ±0.25V 50mA Typical, 88mA Max Differential LVPECL 45/55% Max @ 50% Vdd 1ns Max @ 20% to 80% Vdd ±50ppm APR Min (std) ±10% Max into 50 ohms "0" = 1.490 Min, 1.680 Max "1" = 2.275 Min, 2.420 Max "0" = 1.470 Min, 1.745 Max "1" = 2.215 Min, 2.420 Max 200ns Max 0.5psec Typical, 1psec RMS Max <5ppm 1st year, <2ppm every year thereafter

77.760 MHz to 200 MHz





Designed today's meet to requirements for 3.3V Differential LVPECL applications. The CVPD-914 is produced using mesa crystal design to provide a very low noise, low jitter voltage controlled clock oscillator for demanding telecom and other applications.



235

185 150

100

Temperature

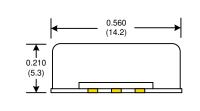
(4°C/sec Max)

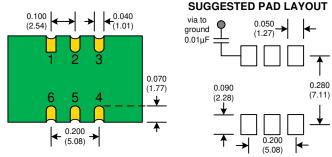
3

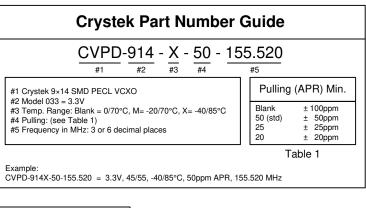
4

5

6







Standard Frequencies		
77.760	161.1328	
155.520	166.6286	
156.250	167.3316	

Specifications subject to change without notice.

TD-030401 Rev. L

260°C Reflow Profile NOT recommended for this product PIN Func Volt C 1 2 E/

Function	Enable/Disable Fu	Enable/Disable Function	
/olt Cont.	E/D Pin	Output pin	
E/D GND OUT	Open "1" level 0.7×Vcc Min "0" level 0.3×Vcc Max	Active Active High Z	
COUT			

10 sec

Max

Reflow +5°C

Cooling

1-5°C/Sec

Time

(seconds)



Vcc

12730 Commonwealth Drive * Fort Myers, Florida 33913 PHONE: 239-561-3311 • 800-237-3061 FAX: 239-561-1025 • WWW.CRYSTEK.COM